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<110> Liew, Choong-Chin

<120> Method for the Detection of Alzheimer's Disease Related Gene Transcripts in Blood

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<150> US 10/802,875

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<150> US 10/601,518

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<170> PatentIn version 3.2

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gggtttcccg gggaacccaa ccctttaagg ggtngggggg aatttcccc caaaaaaagg 120

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<212> DNA

<213> Human

<400> 15

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cccacatttc catttttaat atatactgtg ctttaciaat attataatat gttttaaaat 180

atgttcacag aagcacctgg tctgtgaatg gcatgccagc attaaaaaaaa ataagcattc 240

tttgaatata tatttagttt tttaatgtgg taggaaaatc aaagccagag ggagtagaaa 300

caaaatttgt gattttctaa atacttcttg gctgcaggga agaaaccacg tcccaggcga 360

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<212> DNA

<213> Human

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 ctttaaggnt tgggggaatt cccccaaaaa aggaaaaaat tttcccgggg gccaccccg 120
 aaagggggaa ggcccccaa accggggggg gggnaaaaag gtgggtttcc ccctttttcc 180
 aattcccaa accaatttcc aaaaggnaaa ccaacnttc ccaaatggg aaagg 235

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caaattgggg ggnaaaccaa atttaagggg ggaagggggg gncccccccg ggaaaggccc 180
aaggggggaa aattttttccg ggggtgggtn ggggggaacca atttaagggg ggggcccccg 240
gggggggttc ccttgggcn tttttccttt tgggtnaaaa aaaaaaaccc ctg 294

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<212> DNA
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aagtttaatc cctgggttct aactaccctt actgtcactt agcttaacct gcctccaatc 120
ctgtacttga actctaaaac tgttggagaa actcagtgtc taccccaaca gattcatttc 180
aaatagctgt aaaaggatatg ttactccag aagaccagag ttgcttcttt tgaacttctc 240
attccttggg cctaggaacc ctcatcacc tcatcccaac gtcaaccag atcttctctt 300
ccataaacag cactccctca ggcccctgcc tgacacaggc atagactgtc atgttggatt 360
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tttaggcggc accccaacaa caccaggccc tactttttcc aaggncgggg aagcccatgg 180
gttctgggna acgggcaatg cgggcttgca acgggnggaa naaaaacagn cccaaaagaa 240
tg 242

<210> 20
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<212> DNA
<213> Human

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tctcagctca ctgcaacctc cacctctcag gagaattgct gaacctggga ggcggagggt 120
gcagggagct gagattgcgc cactgccctc catcctgggc gacagagcaa gaacctgtct 180
c 181

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tncccccncn nttnanacna aanntngcac tcttggtgtg                                100

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<210> 22
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cggggaaggcc nttggggaaa aaaccaangg ncaaaccccc ccaaccacnc ggcccccccc	120
aaggggggtg gggaagagcc aaatttcttt gggaaanaac gcccccttgg ggaaaanaag	180

gcccaaccacc tttcaacanc ccccaangcg nggaagccat ttcttgg 227

<210> 25
<211> 306
<212> DNA
<213> Human

<400> 25
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ggaagaattg tatgtgggag tttttaatgg tctcatttca ttggctataa ctcagttaca 180
aggagaaaata taactgcaga ggagctttga aaatttagtt cagctgaggg taaaggaaga 240
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agaatg 306

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ttgaggcgaa aggactcgcg gatttgacgc ttgatgcggt tgcgctcgac ggcgagcttg 180
acgctctttt tgccgatcac caaacctagg cggggatgat caagctgggt atcgcgcgct 240
agcagcagga cactttttgcc cgggagcttt accgcttggg gagtcgaaga ctgccttgna 300
ttgccgggga gtcagcagtc gctttttccc ggncaagcc tcgaactcac cancctgtct 360
ggattaatta gacagcaaga cgcttgcggc ccctttggcg cgaacgaacn ncgaaaagga 420
cttgcgcggc ccgtttcttt ggggggcca taccggggcn cggggaaaac ccgnggggng 480
gccaaacccc cc 492

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<210> 27
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gagaaccccc cacaccgaaa ggctaaggat tcctccgcta tgtcaatcaa cggaggggta 180
gtcgggtact aaggcgttag cgaaggcgaa gcgccgatgt gaaggggggtt aatattcctc 240
cacttgccat gcgtgtgaat ccatgacgga gacgaagccg ggggtgcgct ctgacggaag 300
tgggcgccag caggggcggc cttcgggcca aaccgaacct caggtcanac ttccaagaaa 360

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agtggggtgaa acgccagcgc atggcaaccc gtaccgcaaa cgcacacagg tagccggggg	420
anaacatcct aagnggctcg agagtacttt ctagagcggc cgcgggcccc atcgantttt	480
ccacccgggn ggggtaccag	500

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gctggaaggc ttgnagggca gaaaagggat ccgccttttg gaggaacca ggtaaggttt	120
aagaaggaac ccaccctngg ggccaaacaa aaacttaaaa acccccccat ttcnthcccc	180
ccaaaaaaaa aattttttaa aaaaattttt ngcccccggg ggcattgggg g	231

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cantcantng ttgccntntg atacccnana caaaattgaa

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 <223> n is a, c, g, or t

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 <222> (698)..(698)
 <223> n is a, c, g, or t

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 <222> (711)..(711)
 <223> n is a, c, g, or t

<220>
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 <222> (720)..(720)
 <223> n is a, c, g, or t

<400> 52	
atatgacctg cgnncanacn cnctaanang ngactngtta aanacnttcc gtggaatnna	60
ctcagactgc aaantgtnat nctgncnnan nntgnngact gtcngncng atttnnngcn	120
tgnaatacta ttgcctctta tatacacnac caannntgcg aagggcnann nnacctttnc	180
cantnnnctg gggnccccacn nnnngngaact gagagtggat cttgtgtacc tgacnnacca	240

SEQLIST~1.TXT

gntntnnagn agggcgctca ctctgattgg tgcaccatgg ttacacagtg tgtgcaaaga	300
ccngnctatc tcaactganga tgattgncag ngccnntggg tggcacnang ggnactgatg	360
ancancactg accctgccga cgccagangc cgcanatccg gagantncat gngacnatat	420
aggttacnc cttcnaccgg gcancaatct gcttctatgg tgaatgcaga ccatntagaa	480
ntctntcnct ataggcatga ttttnnncag tgcgtcagcc ttganaanga ancnnacttt	540
tgntagatga nnnngntgctc ncccttgngg ctnacaaatt ccancaccnt tgggtggcngc	600
agccnttaag ancacttntt ttgggttgcg ctnttgatg aattacnaat agnntgtttt	660
gttncaaggc ctttctgna aatatgaana aaagnncnct tagctttttg ngggaactgn	720
actggaaatt ttg	733

<210> 53
 <211> 100
 <212> DNA
 <213> Human

<220>
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <222> (37)..(37)
 <223> n is a, c, g, or t

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 <222> (42)..(42)
 <223> n is a, c, g, or t

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 <222> (44)..(45)
 <223> n is a, c, g, or t

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 <222> (50)..(50)
 <223> n is a, c, g, or t

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 <222> (57)..(59)
 <223> n is a, c, g, or t

<220>
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SEQLST~1.TXT

<222> (70)..(70)
<223> n is a, c, g, or t

<220>
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<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<400> 53
gatcagacaa gancntgggtc cacagcgggga cgagagntct cnannctgcn ggggagnnnc 60
caagtacgcn agcncctgaan ctaaagcaag caagaaaaag 100

<210> 54
<211> 515
<212> DNA
<213> Human

<400> 54
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agagccaagc taaacccccg ataccgacga gtaccagaac aggtaagcac cccgtctatg 120
tagatatggg aagattatag gaggcgacaa ctaccgagcc tgggtgatagc tgggtgtccaa 180
gaagagtctt agttcatitta ttggccccag aaccctctaa tccccttgta atttatgtca 240
agaggaacag ctcttttgac actggaaaac cgtgagagag taagatttac acccttaggg 300
gcctaatagc agccaccatt aagaaagcgt tcgctccaca cccactacct aaaaatcgaa 360
tataactgac tcctcacacc caattggcca atcattcccc tataaaagaa ctatgttagt 420
ataagtaacc tgaaaacatt ctctctgca taagccctgc gttggattat atcctgcact 480
gacaattaac tgccccaata tctacaatcc aaccc 515

<210> 55
<211> 176
<212> DNA
<213> Human

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<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (60)..(60)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (62)..(62)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (76)..(76)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (107)..(107)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (155)..(155)

<223> n is a, c, g, or t

<400> 55

tgtnaggat caaattataa tattgaaata anaacagctn acatttatat agcatgtttn 60

cntatctcaa ctaatnataa atgggaaaaat gggcaactgg gcaggcngaa cccagagggg 120

agcctgccct cattagacca agacagcaag gtttnccctg gtcactagat gaaatt 176

<210> 56

<211> 317

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (4)..(4)

<223> n is a, c, g, or t

<400> 56

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atgtgggatg tgacctccta ggactcacct tgcacagctg ggtgcagcag ggataggtaa 120

ggatttgggg tttagaggta caattgcctt tttatggtta gagaaaggct ctggggctgg 180

agggagcctg acgatctgct ctgtgtgcaa ggggagagtt aactctgcac gcaagagcct 240

gcttaaaggg ctgtgtcagt tctattgtaa acaccaactt aaagtgggtg atgctggcag 300

acattgttat tgccatt 317

<210> 57

<211> 209

<212> DNA

SEQLIST~1.TXT

<213> Human

<400> 57

ctcatacacc tgtggctact gttttctaca gagtgccaaa actattcgag agaataaggct	60
ctggactgga cactgtatac ccacatgcaa gatgaagttg gccccttaca tcctatacgc	120
aggagaattg cgtcatttaa agcctgttga cgcttttctc ccgcagacga atggaaagat	180
taattggggag tgggggctga aacaattcg	209

<210> 58

<211> 262

<212> DNA

<213> Human

<400> 58

aattttgctg ttacatgggtg gctcaactga gtcccatact ttgaaggccg ggagttaatc	60
acctgggtcac cgagttgcga accagcctcc aatatgtgga accctgtact ctctaaaaat	120
caaatcaccg gcatggagat tgcgcctgtg gtcccaaaat actcgggctg ggacacgatg	180
agttgcttgg cccaaggaag gaggggttga tggctgatca cactgggtccg cctgggtgac	240
agagcgagac tccatctcta at	262

<210> 59

<211> 430

<212> DNA

<213> Human

<400> 59

gtcagtttat ttctgactag ggatattttc tttccattta gaaaagaaga aaaaaaaaaa	60
aaacctttat tgtcttacag gggggaacta gcgcggggct gaataaaacc tttggccctt	120
cccgggggag gggatatccg tttataaacc ccaagggtat tttcttagca aaatacttaa	180
aaccggcccg ggtttttata caaactggga acccactttt gaaaaatttt ggccttttga	240
tctgggatgg gaatatgagt ttttatacat ttcatTTtct ttttgggcaa aggcccggtt	300
aagtattccc ccccgggggg cctttacaaa aagggcggtt ttaaaagctt ttgggcccc	360
ctaggggaatt gttttaacac ctaaaaaccc ctgcttccct taaaggggcg ttctttaatt	420
tgggggcggc	430

<210> 60

<211> 350

<212> DNA

<213> Human

<400> 60

aaacctctct aactatatat cacaataacc tgcgcataag atttacgctc cgatcttttc	60
atcctactag cttggaggat ttgaaccgat tatgaatacg caatactccc ggtcctcatg	120
tatcatgtgt aagcccatct cctgggaggg ctaacatact accatctcca aggagaggca	180

SEQLIST~1.TXT

tgattccgaa tcacccacag acagctcgat caccatacgt atcacccaac atatatacct	240
tctaagactt gctagaaaca accaccacat ttgatgctta atcaccactc tgacgcgcat	300
taaagtgagg ggactctcct aatttctgta agttgatttt tgcattctga	350

<210> 61
 <211> 515
 <212> DNA
 <213> Human

<400> 61 cacataaatt ctccataagt taattagtga ttttaacatg atctcaatat aaacatagca	60
cacttttcttt gagaattcaa catattgcaa gttaaaattt tcatagacta cacaagaaag	120
aataatcagg caaatcctta agaataaggg caattaagga tgactagccc tacaagattt	180
taaaaaggat tcattagttt aaaaaatgtg atgtagatac atgaataaaa taaaatcttg	240
aagtagatcc aaatatacat ggtcagattg aatacaataa agatggcatc gtagcagtgg	300
agaaaagaag aattatttca taaaccttgt tggaatggct aggcaatcat ctggaaaaaa	360
atgaagtgtga ataataaaaa tatattctac actagcacia attataaata aagcagtgat	420
ttaaatgaga aaaattaaat cataatgatt tcaaagataa cataggataa tttctttata	480
gtcttctaaa atatatgact ttatgaattc tgact	515

<210> 62
 <211> 611
 <212> DNA
 <213> Human

<400> 62 caagtacttt accaactaag ccaatcttgt ccccagccag gcatttctat acaaagggcc	60
aagacttttg ttttataaat aaggagggtat atataaatta tatatatttc tgagctgagt	120
aataatccac cagatacaag tttgcatcaa cttctgtgaa atattttttt tcctttttgt	180
tgggcatttt tatgggtctaa atatagaatg accaatgcct ctagaacaaa cttgacctgg	240
tcagtgttat caagaagcag actgtttctt actttctttg tatttcctta cttattttaa	300
tttggttaaaa ttgatataat gatataataa acttcttttg ccagtgttgg tggcacacgc	360
ctttaatccc agcacttagg aggagaggc aggggtggatt tctgaatttg agggcaggct	420
agtctacaga gcaagttcca ggtagccaa ggctatatat agaaactctg gcatgaaaaa	480
ccaaccaaac caaaccaaac caaacagac cagaccagac cagaccagac caaaccaaac	540
caaacagac taaaccaaac caaacagac cagaccagac cagaccagac cagaccagac	600
cagaccaaac t	611

<210> 63

SEQLIST~1.TXT

<211> 291
<212> DNA
<213> Human

<400> 63
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taatgcgaat atacttcctc ttctttttgc atggctcttg ccagcctctg caatactgat 120
gaacacatgc tgaagatcat ctaactcaat atggcgcata tttctatgtc ttgctgcccc 180
ggacatagga caacttcgtc gctcactagt tctaacatat taatgctggc gtaggtggag 240
aactactgca catatactct tactcggagg ctgaggcacg aggatcactt g 291

<210> 64
<211> 309
<212> DNA
<213> Human

<400> 64
gccagatgcc gtgtttcctc gatgaactct ttacatcatt ggctattcag tggagtgttt 60
cattatcacc tctcactctc gcgtgttacc taactctccc tcgcagggga aatcactcca 120
tatatttcaa atgtcttgct aacagtgggt actttgctct atccttagct atacgtctcg 180
aggcacattg ttcctctatg ccccgctacg ctttgcccta gagctcggcg gtatctatat 240
cttaactgcc ctcttgatcc ttacgtgccg gagaagggtgg aggcagaaat tttgtcaaat 300
ctgattaga 309

<210> 65
<211> 278
<212> DNA
<213> Human

<400> 65
tagaatggaa tggagtcgaa tgtgatggaa tggacgcgaa tggaatggaa tggactcgaa 60
tggaataaag tggaatagac tcgaatggaa tggaatgcaa tggaatggac tcgaatggaa 120
agggatggaa tggactcgaa gggaaatggaa tggaatggat tcgaatggaa aggaatggaa 180
tggactcaaa aggaatggaa tggaatggac tcaaatggaa tggactcgaa ttgaatgaaa 240
tgtaatggaa tagactcgaa tggaatggaa cgaaattt 278

<210> 66
<211> 142
<212> DNA
<213> Human

<400> 66
agttctcctt aggttaatta atggaatgca atcccaatga aaatgtcacc aaagttgttt 60
tttttttaac tgtaggaggt ttataataat gctcatatgg aaaaataaaa catgtaaaaa 120
atagctagta aactccccct gt 142

SEQLIST~1.TXT

<210> 67
<211> 286
<212> DNA
<213> Human

<400> 67
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aaagatgatc tcctcatgct tccatgcact gcgagtagaa gacatactga gcatagtgtg 120
attatttttcc caacaaattg gcattcatag atagaataag ctgactaaga ctacttagcc 180
ccacattttt ttctacttgc tccaatagca ctaacaaata ggaagctctt gcttgctccc 240
caaagctcca tttccttgaa agcagaagtg taatattact tcttag 286

<210> 68
<211> 179
<212> DNA
<213> Human

<400> 68
atctactttt tattcttttg ataaatgttt atgaaatata aaatactgaa aattagaaa 60
tagaagtcac tattttatta taaaacatgt ggattagata ttttcattta tgtgattaaa 120
ctttctaaac aaagattata tgaattatct taaagattta aaaagtaatt aagttaa 179

<210> 69
<211> 390
<212> DNA
<213> Human

<220>
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<222> (356)..(356)
<223> n is a, c, g, or t

<400> 69
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cttcagtcta agaacgtaaa tccatggaag aattttaagc aggggtgtgc cttgaccaca 120
ttttgaattc taaactgtct ctgggtgggt gtgggtgcca ccaagagcat gtgttcattg 180
aggagactg gttttttaca gttgtctatg agagagatga cagttgcctg gattatgggtg 240
gtgacattgg agataagcag gtagacagat tctcagtgtg ttaggagaga aaaatcaata 300
ggaaatttaa aataaataat taactgtggc cataggagga aggagtcttt ggggtngggt 360
ctcaatttct gcatgagaaa aaaggtggac 390

<210> 70
<211> 481
<212> DNA
<213> Human

SEQLST~1.TXT

<220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n is a, c, g, or t

<400> 70
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 gatgacataa aatgagatga aatgagatgt aatgatggaa tgagatgaga tgaaatgaga 120
 tgaaatgata gatgagataa aatgatgata tgaaatgatg agatgaatga tgagatgatg 180
 agatgaatga tgaaatgaaa tgatgagatg agatgatgaa atgaaatggt gagatgaaat 240
 gatgagatga aatgaaatag tgaaatgaaa ttgaaataaa atcgaaatga gagatgaaat 300
 gatgagatga tgaaattgat gaaatgatga gatgtgatga gatgaaatga tgagatgaga 360
 tgagatgaca tgaaataatg aaatgaaatt gaaatgagat aagatacgag ctgagatgca 420
 atgagatgaa atgatgagat gaaatgaaat agtgaaatga aattgaaata aaatcgaaat 480
 g 481

<210> 71
 <211> 125
 <212> DNA
 <213> Human

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 <222> (5)..(5)
 <223> n is a, c, g, or t

<220>
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 <222> (19)..(19)
 <223> n is a, c, g, or t

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 <221> misc_feature
 <222> (29)..(29)
 <223> n is a, c, g, or t

<220>
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 <222> (38)..(38)
 <223> n is a, c, g, or t

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 <222> (42)..(42)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (45)..(45)
 <223> n is a, c, g, or t

SEQLIST~1.TXT

<220>
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 <222> (49)..(49)
 <223> n is a, c, g, or t

<220>
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 <222> (61)..(61)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (77)..(77)
 <223> n is a, c, g, or t

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 <221> misc_feature
 <222> (79)..(79)
 <223> n is a, c, g, or t

<220>
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 <222> (88)..(88)
 <223> n is a, c, g, or t

<220>
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 <222> (90)..(90)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (100)..(100)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (110)..(110)
 <223> n is a, c, g, or t

<400> 71
 cggtnngaatt tggggggccnc atacgcgcng acgagtantg gncangctnc ttgactacac 60
 ngacgcgccg tacaggntna attatggnan cttacatggn aaaggggcan ctcaatgtcc 120
 cacag 125

<210> 72
 <211> 473
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (151)..(151)
 <223> n is a, c, g, or t

<400> 72
 gaaatgaaat aatgaaatga gatgaaataa cgaaataaaa ttgaaatgag atgagaggaa 60
 atgagatgaa atgttgaaaa gaaaggagga aatgatgagg tgagatgaaa tgatgagatg 120

SEQLIST~1.TXT

aaatgaatct gagatgaaat gagatgaaaa ntgatacgaa aaatgatata aaaaatatga	180
cctgagatga aatgagatga aaaatgatac gaaaaatgat ataaaaaata tgacatgaaa	240
tgaaatgaga tgatatgaaa tgacataatg aaatgatgaa ttgatgatat tgaaatgaaa	300
ttgaaagatg agatgaaatg atgagatgaa atgaaatgtt gaaatgatga agagatgtga	360
catgaaatga gctgaaatga gatgaaatga aatgagatta aatgatgaga tgaaaaatga	420
tgagatgaaa aatgagatga gatgatgaga tgagatgaga tgaattgaga tga	473

<210> 73
 <211> 500
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (233)..(233)
 <223> n is a, c, g, or t

<400> 73 aatgagnatg aaaagnatga aatgatgaga tgaaatgaaa tgatgagatg aaatgagggtg	60
aaatgaaatt agatgaaatg taatgagatg aaatgaaatg acctaatagaa atgaaataat	120
gaaatgagat gaaataaaaat aatgaaatga tgaaataatg aaatgaaaat gagatggaaa	180
tgatgagatg agaagaaatg atgagatgaa atgatgaaat gatgagatga ganaaaatga	240
gatgaaatga tgagatgaga tgaaatatga tgagttgaaa tgacataatg aatgaaatga	300
tgaaatggaa taatgaaatg gaaatgatga gctgagatgc aatgagttga aatgagatga	360
aatgatgaaa tgatgagatg aaatgatgaa atgaaataat gaaatgagat gaaataaaaat	420
aatgaaatga tgaaataatg aaatgaaaat gaaatggaaa tgatgagatg agaagaaatg	480
atgagatgaa atgatgaaat	500

<210> 74
 <211> 299
 <212> DNA
 <213> Human

<220>
 <221> misc_feature

<222> (31)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 74
ggaaatcctg aagtggaaat gatgagctga nntgcaatga gttgaaatga gatgaancga 60
tgaaatgatg agatgaaatg atgagatgag atgtgatgaa atgatgatat gaaatgatga 120
cataaaatga gatgaaatga gatgtaatga tggaatgaga tgagatgaaa tgagatgaaa 180
tgatagatga gataaaatga tgatatgaaa tgatgagatg aatgatgaga tgatgagatg 240
aatgatgaaa tgaaatgatg agatgagatg atgaaatgaa atggtgagat gaaatgatg 299

<210> 75
<211> 155
<212> DNA
<213> Human

<400> 75
agtgaaatga aattgaaata aaatcgaaat gagatgagat gaaatgatga gatgatgaaa 60
taaaatgatg aaatgatgag gtgatgagat gaaatgatga gatgaaatga tgagatgaga 120
tgagatgaca tgaaataatg aaacgaaatt gaaat 155

<210> 76
<211> 367
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

SEQLIST~1.TXT

<220>
 <221> misc_feature
 <222> (67)..(67)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (71)..(71)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (75)..(75)
 <223> n is a, c, g, or t

<400> 76
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 ctacttnaga ngaantcctc gcaaaatcct tgaatcaccg cttcagtgcg gtgatatcac 120
 cgccatgaaa tttctgctcg attagcttac gttgtttgga tagaggccaa acaaggctgt 180
 tatcgggtacg aggaatggat gttcgatttc gtagaatacg cctgagagac ggcgaatact 240
 ctacagagag gcagcaggcg cgtaaattac ccaattacaa caagtagagg tagcgaagga 300
 aaatatgagg ggtggcaagg ttttgcctgt tacatttctca aatggaagca aattagatat 360
 gtcattg 367

<210> 77
 <211> 257
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n is a, c, g, or t

<400> 77
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 atagaaatca ttattttctgt gggatggata attgggccaa attgtaaaat attttaacta 120
 tcagtgtttg gggttttattt ttaaaagaat aggggtgccac cagatgttct ttagtggagg 180
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 tattaccaaa atatttggac cattantaaa gantaggggcc aaccnaatt tttcttgaaa 180
 tttccgttaa atagccgtta aatgttttta cccatttcat attggatacc ttaaattata 240
 ataatggatt ttattgttaa attgtgtgtg tgtgggtgtg atgccctgtc ttttctcctc 300
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ggaaaanaaa tccttttttaa anggaantcc aaggggaagga ncctgnncaa nacttcccn	180
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tgatgaaatg agatgagatg agaagaaatg acttgatgag atgagataaa atgatgaaat	120
gaaatgaagt gaaatgaaat tgaaatgaga tgagatgaaa tgagataaaa tgatgagatg	180

SEQLST~1.TXT

aaatgagaag aaatgagatg aaatgatgaa atgatgagat gagatgaaaa atgatgggat	240
gagaaatgag atgaaatgat gggatgaaat gaaatgaaat aatgaaataa tgaaatgaaa	300
tgaattgata atattgaagt gaaattgaaa gatgagattg gatgaaatga tgagatgaaa	360
tgaaatgttg aaatgaaatg aagagatgta acatgaaatg agctgaaatg atgagatgaa	420
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gacctctgaa tgtattantg anncaagtga tagccaagat attttgaaga aaaatagata	120
ntagggacct gctctataag cccatcataa ttattatga agttataaca agtaaaacag	180
taagggtattt ggcatggaat agagaaccga gaaacagacc caatgcatgg gtacaggata	240
taacacaggg aaatgagggg caatatatgg ttctgggata attatttata tggggaaaat	300

SEQLST~1.TXT

aaagaaattg gatccctacc tcacacatac aaaaaaatc ataattgaat taaaaacttg 360
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aacttcctca gaaggacaag agacaaagaa gtggggggagg ccctcctatc catagctgag 180
agggtttatt ctttgtgggt ctgctgtcag agcctttgga tgtctgatct gagatggagc 240
aaccacagct agacagaact ttgtagattt tgggggggtt aaaaggcctc aagcaaattc 300
taaaactttc tttgaacccc ctggcatagg ctgagtttcc ctgact 346

<210> 85
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<212> DNA
<213> Human

<400> 85
acaaaaagcc cctttaaact tgggcccgcg cgaggtcggt tcgactgggc cgagacttcc 60

SEQLST~1.TXT

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<400> 86
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attacctctt tttgtgacca ctcttaaagg ccaggaacat atttggagaa gcctagtgtg 180
atgtaacagt gtggggtttc a 201

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tcttttacct cggcactcgg gtccaccctc gcggcaccag aggtattctc cggcgagtcg 180
ttaaccatcg caatcgccga ccgagtttaa ggaccactcc ccacctttct cattagttaa 240
ggagaacgct actttacccc atagacggag aaatcgctac tcaactacca ggcgcgcgcc 300
gtcgagtccc tcttcctctc tttatgcatt tagagcgctt tcgtaagagt tttccctaga 360
ttcttctaag cgtagcgcgt ctactccaat gttttcgta atccagcccc aactaacgcc 420
gcggaggagt cgatccgtct actcctatcc cgtcggctcg gatttactac aggagctaag 480
aaaacaaaaa gtaccagccc taaaggaaag tcaaaggacg cccgtaaaaa a 531

<210> 88
<211> 530
<212> DNA
<213> Human

<400> 88
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cattcgggtcc agtgcctcgc cctattagcc cttagccca ccgtttctaa aactcccaga 120
acagccaaac cggtcgcccc aaggcctccg tcgttttata atatattccg tttacgtata 180
aggaacgaac cccccctcat taccacggtc ccgctgccgc ctcttctctc attcgcaaca 240
gttctattcc tttcagcctc ccgtacctgc ttccagaaca tcgcaccgcc atagtcgaaa 300
gatagcaaag attaccagc ttctattcct cgccccagag ccgagtaaat cgaagtttat 360
agaggcggaa tccaaccatt caagagttat aacaagttat cggcactcgg gggatcagaa 420

SEQLST~1.TXT

tataaactta atgtccccctt tattctcccg gacgccccctt ttaaccactt cttcctatct	480
ttcgctaaca agccattgac ggcgctttgc cgcgcgggcc catctcgcgt	530

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ttccaccggc ctgggttttgg tttttccata attaattaac caggggggncc anttaaaaaa   120
aattaaggna aggnnttaaaa aatttaacca angggggggtt taaagggnntt ttttttttta   180
aaaaaaaagg ttaaancccc ccctttttttt ttgggttggg gtgggaaaat tttgggaanc   240
cttaaccccc gggttttttgg gtttttttgg ccaaaccccc ccggaaaaaa attaaaaaaa   300
ggaccggttt ccattttaat gggatttggg aa                                   332
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cgggtggtaac tattaaaaca taagtttaac cggtatttaa aatttttaaaa tcaaaaaaaaa   120
taaaatatat gcaaccctcc attccaagga agtatgatgt tactagatta tctgaaaatt   180
ctcct                                           185
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tcgttatgct ttccaatcct gcttgcaata taagacacaa agtcagaata aagctcaaga   180
aaacagaacg tgcaggccat caagcgcaga gcctgctcat tggacaaccg caaagagtag   240
taagtgtgc cgctattcac acttagaaaa ggagaaccac ggggaaaaac caaattaatg   300
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